**Notebook Series -- Notebooks by Edison**
**Notebook, N-20-06-02.2**

This notebook was used by Edison on June 2, 1920. It contains a single entry describing the procedure for cleaning disc record molds "as man was taught." The process involved two dips into a bath of "8/4," a solution of selenious acid. Inserted into the book is a note from Edison with instructions for Frederick P. Ott regarding the cleaning procedure. The pages are unnumbered. Only 4 pages have been used.

June. 2 1920

As man was Taught

Cleaning bath, changed when black
Amperes 40 to 62 used 1½ minutes
when running continously change Every 12 hrs
plate put in = Current off = when
in, start rotating by pulling on
belt — Close switch to put
Current on — Never put in bath
when Current is on.

Now done — plate put in with Current on

Taught — Open switch to stop
Current — & remove plate quickly —

2 Wash well with hydrant water
in Machine made for the purpose
& finally rinse with distilled
water at angle while rotated
Use Lab wash bottle. 1 minute

3. Put in 8/4 — of such a strength
that it reds as per standard Copper
Slip in 1 minute Then keep
disc in 1 minute till it gets same color
as test slip —

as it weakens the more discs are coated, The solution must be strengthened from time to time by adding a little strong solution + try test strip, at same time watch the disc + see it does not go a deeper color than full deep red, if after 1 minute it is not as red as test Copper, Keep it in longer than 1 min, —

If Nickel is used use copper test strip. so A disc of Copper would be red in 1 min —
As Nickel is difficult to tell from the color the only safe way is to use test strips + keep bath constant strength should be corrected every hour when running full.

When disc is removed from 8/4 bath wash in hydrant Machine + rinse with distilled Water — This Operation requires 1 minute —

Put disc on whirling machine + whirl till dry - 1 1/4 to 2 minutes required according to weather

When dry put in holder and varnish with Kopper Varnish to within 1/4 inch of Edge - After — hours revarnish + dry - — hours it is then ready -

## Redip

When a disc is to be redipped put in cleaning bath 20 seconds remove - wash hydrant water both sides, rinse both sides with distilled water, Remove Copper Nubs -
Then put in 8/4 Solution 10 seconds,

Remove + wash — Dry + put on one coat of Varnish - + dry

Speed of 8/4 baths should be very high but not so high as to spatter

The holder arms should be kept
Extra high so mould not injured
in lifting out —

The Washer originally used
should always be used

**[ITEMS(S) FOUND IN BOOK]**

Fred Ott –

go over and time the
operations in 8/4 treatment
Dept – _____ 112 #1
20, 28.

Cleaning Time – 1½ min unpacked
washing " 1 min
~~18/4~~ Solution " 1 minute
Wash 1 min
Dry – 1¼
Paint 1 coat. 40 seconds

Redip in 8/4 – 30 seconds
Wash – 1 min
dry 1¼ min
Paint – ~~they paint at all.~~ every time they redip

find out if in redipping the clean
~~before redipping~~ – ~~use~~ how long
just the same as new mold

[ITEMS(S) FOUND IN BOOK]

Second Master go to bath wet
working female go to bathe wet

Master molds dried
" female "
amperes on #1 Cleaning bath 28 amp
" " #2 " / " 20 amps
when the man puts in mold the
circuit closed and takes
it out the same way with it
being the current ought to be off
in both cases
the anodes in #2 bath are only
2" in the solution in #1 they
are eaten away Thin